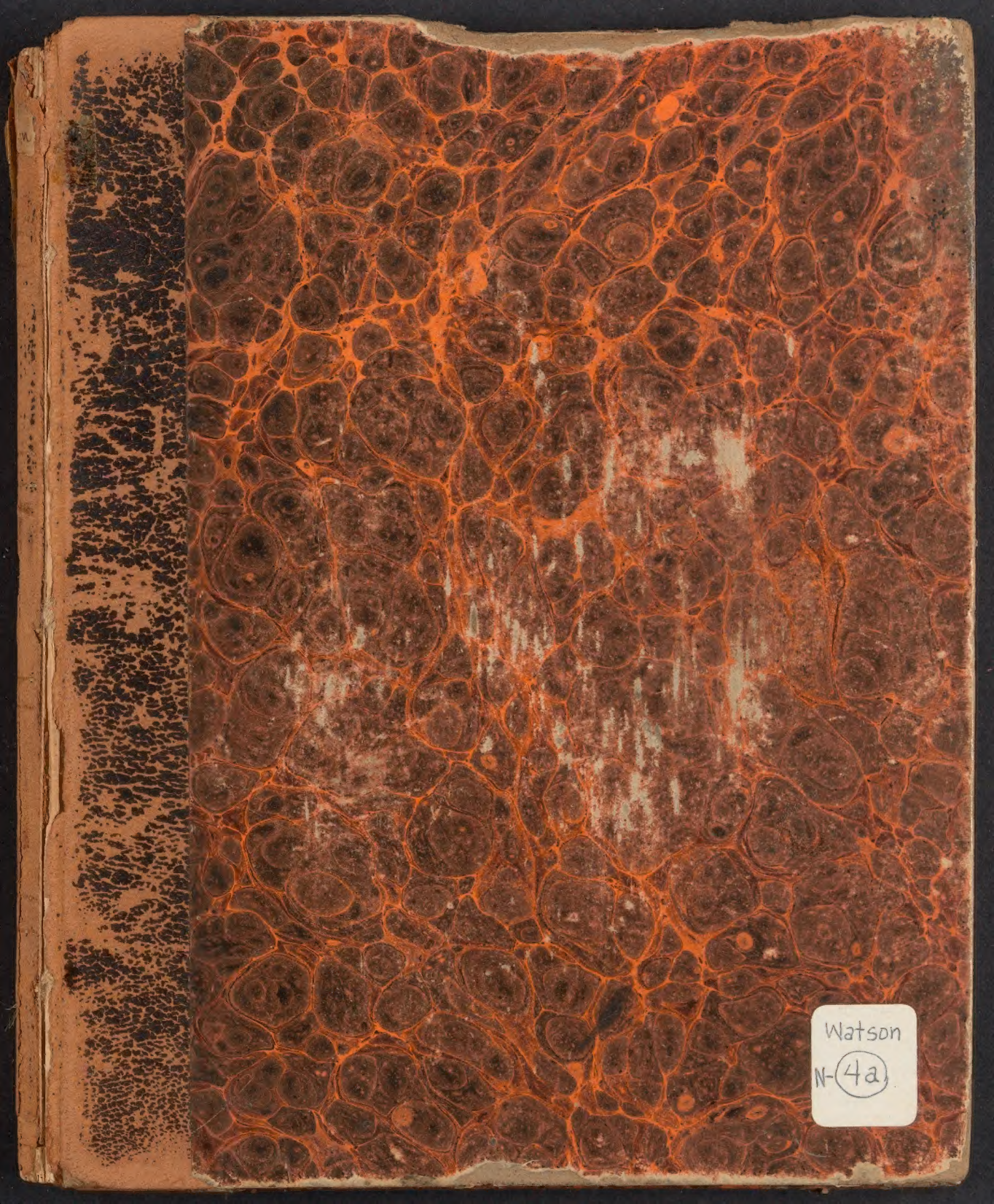
Watson
N-(4a)

252. A. dispyrenus, Gr.
253 " lentiginosus, Bongl.
254 " " var. Fremontii. (A. Fremontii, Torr.)
255 " platytropis, Gr.
= 256 " " var. insipida
257 " Andersonii, Gr.
258 " malacus, Gr.
259 " Canadensis, L.
260 " " var. Mortonii. (A. Mortonii, Nutt.)
261 " hypoglottis, L.
262 " Nuttallianus, DC.
= 263 " arrectus, Gr. impf.
× 264 " atratus.
× 265 " obscurus
266 " abbreviatus, Rich.
× 267 " Robbinsii, Gr., var. cuspidatus.
× 268 " lodanthus
269 " " var.
270 " Beckwithii, Torr.
× 271 " pterocarpus.
× 272 " orthotrichus
273 " Parishii, Bongl.
274 " Whalensis, Torr.
275 " Greyeri, Gray.
276 " Hookerianus, Gr.
× 277 " oophorus,
× 278 " jejunus,
× 279 " mudus,
280 " Chamaelensis, Gr.
281 " apiocarpus, Gr.
282 " filipes, Torr.
× 283 " ornatus
284 " multiflorus, Gr.
× 285 " Tagetarius,
286 " caniplestris, Gr.
287 " jejunus, Gr.
o 288 " simplicifolius, Gr.
289 " Kentrophyta, Gr.
× 290 " " var. elatus.

10 species, nov
2 " undescribed
2 " rediscovered
2 varieties, nov

35 species
4 varieties
39 forms

Easter Hymn

Pone luctum, Magdalena;
Et serena lacrymas;
Jam est jam sermonis coena,
Non cur fletum exprimas;
Causae mille sunt laetandi,
Causae mille exultandi,
Alleluia resonet!

Surna risum, Magdalena,
Frons nitescat lucida;
Deinegravit omnis poena,
Lux cornscat fulgida;
Christus vondum liberavit,
Et de morte triumphavit.
Alleluia resonet!

Gande, plaude, Magdalena,
Innbā Christus exivit.
Tristis est peracta scena,
victor mortis redivit;
Quem deflebis moriantem,
Mane cernes resurgentem;
Alleluia resonet!

Tolle nitum, Magdalena,
Redivivum obstupe;
Videfrons quam sit amoena,
Quinque plagas adspice;
fulgent sicut margaritae,
Ornamentum morde vitae;
Alleluia resonet!

Vive, vive, Magdalena!
Tua lux revixa est;
Gaudiis turgescit vena,
Mortis vis abstersa est;
Moesti procul sunt dolores,
Lacti redeant amores;
Alleluia resonet!

Catalogue of Botanical Specimens

gathered in Nevada, season of 1867.-

Sereno Watson, U.S.G.E.

Order I.— Ranunculaceæ.—

1.— Clematis.— Common on river banks and by mountain streams. Perhaps two species.

(a.)— Sheet 1.— Spec^{s}. 1-4.— Unionville Cañon, W. Humboldt Mts.— Sept. 9th 1867.

Sheet 2.— Spec^{s}. 1,2.— Santa Clara Cañon, W. Hum^{t}. Mts.— Sept. 19th 1867.

(B.)— Sheets 3, 4.— Spec^{s}. 1-5.— St^{a}. Clara Cañon, W. Humboldt Mts.— Sept. 19th 1867. Leaves less coriaceous & more sharply acuminate. Flowers somewhat smaller & more Micate. Achenia shorter and conspicuously more plumose at base.

2.— Ranunculus Cymbalaria.—

Sheet 5.— Spec^{s} 1-9.— Fresh springs, on shore of Soda Lake.— Aug. 5th 1867.

Sheet 6.— Spec^{s} 1-4.— Humboldt River Meadow, above Dreama. Found also in Unionville Cañon, W. Humboldt Mts.— Localities but slightly impregnated with alkaline salts.—

3.— Aquilegia formosa.—

Sheet 7.— Spec^{s} 1.— Mountain Cañon, W. of Big Bend of Truckee.— Aug. 16th 1867.—

Sheet 8.— Spec. 1.— Wright's Canon, W. Humboldt Mts.— Sept. 3^{d} 1867.— Banks of streams in high mountain cañons.

4.— Delphinium.— Banks of streams in mountain cañons.— No specimens.

Order XIV. – Cruciferæ.

5.– Cheiranthus. (?) – Sheets 9 and 10.– Spec^s. 1–3.– Buena Vista Creek ranch, (W. Humboldt Valley, East of Unionville.) Oct. 11th 1867. Border of ditch.

6.– Nasturtium palustre, var. hispidum.(?) – Sheet 11.– Spec^s. 1–3.– Border of creek N. of ~~Horned~~ Granite Peak, (E. Humboldt Mts.) – Oct. 1st 1867. – Long past maturity. Valves inverted.

7.– Nasturtium (a.) (?)– Sheets 12 and 13.– Spec^s. 1–6.– Moist bank of stream, Star Canon. (W. Humboldt Mts.) – Sept. 20th 1867.

8.– Nasturtium (B.) – Sheets 14–17.– Spec^s 1–10.– Sandy bottom of the Truckee River, below the Big Bend. – July 26th 1867.– Abundant.

9.– Nasturtium (γ.) .– Sheets 18–20.– Spec^s. 1–11.– Sandy bottom of Truckee River below the Big Bend.– July 26th 1867.– Frequent.

10.– Arabis (?) Sheet 21.– Spec^s. 1.2.– Truckee River bottom, below Big Bend, near slough.– Aug. 20th 1867.– 1–3° high.– Pod round slightly flattened.

11.– Sisymbrium canescens (?)– Sheet 22.– Spec^s. 1.2.– Union Creek ranch in W. Hum^t. Valley, (E. of Unionville.)– Sept. 2th 1867.– In cultivated ground.

12.– Erysimum (?) Sheet 23.– Spec. 1.– Sandy bottom of Truckee, below the Big Bend.– July 26th 1867.–

13.– Pachypodium integrifolium.– Sheets 24–33.– Specs. 1–10. ~~Round~~ Sandy bottom of the Truckee River.– July 27th 1867.– Abundant. Also at Soda Lake & other like localities. Very much branched from the base upward. Stem sometimes 1/2 or more in diameter – 3"–8" high.

14.– Sinapis (?) – Sheet 34.– Spec^s. 1.2.– Mountain canon, near Star City.

Order XV. Calyciflorae.

Order XXI. - Hypericaceae.

20. - Hypericum Scouleri (??). - Possibly two species.

(B.) - Sheet - 9 . - Specs. 1. 2. - Shaded bank of stream, Wright's Canon. - Sept. 5th, '63.

Placentae not joined in the center. Past bloom.

(B.) - Sheet 50 . - Specs. 1-5. - Shaded bank of stream, Wright's Canon — 1004 feet above the level. - Sept. 11th, '63. [illegible] . - Placentae [illegible]

Order XXV. - Portulacaceae.

21. - Portulaca oleracea. - Cultivated ground in Carson bottom, Reed's station.

No specimens. Doubtless introduced.

Order XXVI. - Elatinaceae.

22. - Elatine Texana (?). - Sheet 51 . - Specs. 1-6. - Carson River Bottom, at [illegible] Springs. - Aug. 3d, '63.

Order XXVII.- Linaceæ.

23.- Linum _____.- Probably but a single species.-

(a.)- Sheet № 2.- Spec^{s} 1-2.- Dry creek bank in cañon, 500 feet above Star City.- 5 Sept. 20th 1867.- (W. Humboldt- Wats.)

(B.)- Sheet № 3.- Spec^{s} 1-12.- Summit of Star Peak, 10,000 ft.- Bl. corolla not seen. Smaller stem (a.)- (W. Humboldt Mts. in Sept. 19th 18[illegible].)-

Order XXVIII.- Geraniaceæ.

24.- G[illegible]- Carolinia [illegible] Sheet № 4.- Spec^{s} 1.2.- Growing in bed of creek at Virginville, (W. Humboldt Mts.)- Sept. 10th 1867.- Seeds black & shining, (not reticulated.)- ? geranium (probably the same as [illegible] in flora. Dec. 5th 1867. Air dried & pressed specimen not [illegible] pressed since received. Flowers [illegible] petals pink.

Order XXXVIII.- Malvaceæ.

25.- Malva.- Plants probably of this genus,- two species,- decumbently branched, very pubescent,- one met with in wet, with light red cast, more erect, in sandy plains & bottoms- the other, with orange colored cast, in moist bottom land of Carson River. [illegible]

Ordo XLVII. – Rosaceæ.

Var. laciniatus. –

20. – Geum ~~strictum~~ rivale. – Sheet 55. – Spec. 1-7. – Jones's Peak, Buena Vista cañon, – Sept. 10th 1867. – Evergreen. Common on peaks of the W. Humboldt Mts, – especially upon the eastern slopes – and on the mountain range west of Winnemucca Valley. – Pine – – & Western ranges. –

Ordo XLVIII. – Leguminosæ.

27. – Vicia – Sheets 56 & 57. – Spec. 1-6. – Banks of stream in cañon north of Granite Peak, E. Humboldt Mts. – Oct. 2d 1867. – 3-6' high, climbing, past bloom. "

28. – Trifolium cyathiferum. – Sheet 58. – Spec. 1. – Sandy loam of the Truckee River at the Big Bend. – July 27th 1867. –

29. – Trifolium variegatum (?). – Sheets 59-62. – Spec. 1-11. – Banks of Truckee River. – 1, 26th 1867. – Decumbent or ascending. – Wings purple, not the corolla pinkish. –

30. – Hosackia Purshiana. (?) Sheets – Spec. 1-9. – Sandy bed of Truckee River at the Big Bend. – July 27th 1867. – ½-2' high, divaricate below & diffusely branched above. Corol light pink. Leaves distinctly pubescent.

Sheet 63. – Spec. 1. – From Carson River bottom at Reed's Station. – Aug. 20th 1867. –

31.— Astragalus (a.) — Sheet 67.— Spec^{n}. 1.— Sandy desert beyond Reed Station, (Carson River road.)— Aug. 4th 1867.—

32.— Astragalus (B.) — Sheets 68.— Spec^{s} 1–12.— Summits of Marble and Star Peaks, (W. Humboldt Mts.)— Sept. 19th 1867.— Low, procumbent, rooting between limestone rocks.

33.— Astragalus (γ.) — Sheets 69 + 70.— Spec^{s} 1–6.— Union Creek ranch, in W. Humboldt valley, East of Unionville.— Sept. 2nd 1867.— In alkaline soil.

34.— Lupinus Sheet 71.— Spec^{n}. 1.— Mountain summit near Valley Wells, (E. Truckee Range.)— July 31st 1867.— Very common (or a species much resembling it) on high mountain sides of the Truckee and W. Humboldt ranges.

35.— Sheet 72.— Spec^{s} 1–3.— An undetermined genus.— High sandy ridges of the Hot Spring Mts,— (lower group.)— Aug. 11th 1867.— ½'–1° high.— Diffusely ramified.

36.— Glycyrrhiza glutinosa.— Sheet 3.— Spec^{s} 1–4.— Thacker's Station on Humboldt River.— Sept. 5th 1867.— In fruit.— On the river bank. Seen also below Thacker's, at Oreana and Lovelock's Station. Calyx segments nearly equal.

37.— [illegible] — [illegible] July 31st 1867.— [illegible] E. Truckee Mts.— Closely decumbent or scarcely caulescent.

29.— Medicago Sheet 62.— Spec^{n} 1.— Buena Vista Canon, [illegible] Mts.— Oct. 16th 1867.— [illegible] in lower canon near Mine.

Order XLIX. Rosaceæ.

39.– Prunus (a.) (S Padres.)– Sheet 74.– Spec^{s}. 1.2.– Buena Vista Cañon, W. Humboldt Mts.– Sept. 9th 1867.– Very frequent in the cañons of the W. Humboldt Mts; from the base to the head. Fruit ripe, like that of P. serotina. From 3° to 10° high, diminishing with increased altitude of location.

Found also on Granite Peak, E. Humb^{t}. Mts.– "To – [illegible]"

38.– Prunus (B.) (S Padres.)– Sheets 75+76.– Spec^{s}. 1–4.– Buena Vista Cañon, W. Humboldt Mts.– Sept. 10th 1867.– A single tree, near base of mountain, 12° high, of more slender growth than (a.) throughout. Racemes of pricked [illegible] fruit light red, [illegible] ripe, more juicy & thinner skinned than (a.

39.– P. [illegible] (S Prunus.)– A low thorny shrub (1–3°), with a small yellow scarcely nested fruit, and smooth leaves. Common in the Truckee valley & side cañons, from Hunter's station to Pyramid Lake. No specimens, except of fruit.

40.– Spiræa caespitosa.– Sheet 77.– Spec^{s}. 1–5.– Star Peak, W. Humboldt Mts.– Sept. 15th 1867.– In dense mats on limestone rocks near summit of Star & Marble Peaks.

41.– Potentilla. (S Enpotentilla.)– Sheets 74+79.– Spec^{s}. 1–5.– Unionville, (Buena Vista Cañon, W. Humboldt Mts.)– Sept. 9th 1867.– Moist bank of stream. Stem diffusely branched– branches procumbent or ascending.

42.– Rosa Very common upon the banks of streams.– 2–6°.– Probably two species, at least. Sheets [illegible] noted in the absence of the ovaries – in the specimens at hand. Mrs. – No observations.–

Order LIII.— Lythraceae.—

43.— Ammannia — Sheet 60.— Spec.s 1-9.— Carson River bottom, at Reed's Station.— Aug. 3d 1867.—

Order LVI.— Onagraceae.—

44.— Epilobium angustifolium.— Sheets 1 + 2.— Spec.s 1-3.— Buena Vista Canon, W. Humboldt Mts.— Sept. 10th 1867.— Bank of stream, 1500 ft. above Unionville.—

45.— Epilobium paniculatum (?).— Sheets 83-85.— Spec.s 1-4.— West Truckee Mts.— Aug. 16th 1867.— Bank of stream in high mountain canon of Geod. Station II.—

46.— Epilobium (a.) Sheets 86 (?).— Spec.s 1.2.— Unionville.— Sept. 9th 1867.— Bank of stream in lower canon.— Resembling the last.—

47.— Epilobium tetragonum (?).— Sheet 87.— Spec.s 1-3.— Unionville, W. Humboldt Mts.— Sept. 10th 1867.— Bank of stream in lower canon.—

(B.— Sheets 88-91.— Spec.s 1-10.— Sandy Hollow of Truckee River.— May 27th 1867.—

(V.)— Sheet 92.— Spec.s 1-3.— Springy banks of Soda Lakes.—

49.— Gaura coccinea (a.) Sheet 93.— Spec.s 1.— West Truckee Mts.— Aug. 16th 1867.— Springy ground in high mountain canon of Geod. Station II.

50.— Oenothera (B.) Sheet 94.— Spec.s 1.2.— Wright's Canon (W. Humboldt Mts.) Sept. 6th 1867.— Common on the sandy banks of stream 1-3° high.—

51.— Oenothera (γ.) Sheet 95.— Spec.s 1.2.— Coyote Canon (W. Humboldt Mts.) Sept. 9th 1867.— [illegible]

52.— Oenothera (δ.) Sheet 96 .— Spec^{s}. 1.2.— Mountain Cañon of Lake Range, (N. of Winnemucca Lake.)— Nov. 11th 1866.— Dry sandy bed of lower cañon.

53.— Oenothera (ε.) (?) Sheet 97 .— Spec^{s}. 1.— Truckee Bottom.— Nov. 9th 1866.— Base of [illegible] Lake.— Not yet in bloom.

54.— Oenothera (?) (ζ.) Sheet 94 .— Spec^{s}. 1-4.— Carson Bottom, near Reed's Station.— Aug. 3^{d} 1866.— Damp, clayey river bottom.

55.— Gayophytum ramosissimum (?)— Sheets 99+100 —Spec^{s}. 1-7.— E. Truckee Mts.— July 31st 1866.— [illegible]

56.— Gayophytum diffusum (?).— Sheet 101 .— Spec^{s}. 1-4.— Buena Vista Cañon, (W. Humboldt— 1866., Sandy stream bank of lower cañon.— Sept. 10th 1866.—

Ordo VII.— Loasaceae.

57.— Mentzelia laevicaulis.— Sheet .....— Spec^{s}. 1—5.— Coyote cañon, [illegible] — Sept. 19th 1866.— Dry sandy bank of lower cañon.—

Order LXI.— Cactaceae.—

58.— Opuntia (?) (a.) Sheet 103.—Spec. 1.— Sandy sagebrush plain west of Humboldt Lake.— Aug. 24th 1867.— Also on the dry foothills of the [illegible] fruit [illegible] small [illegible] flowers [illegible] fruit— usually Dry.—

59.— [illegible] (3.) [illegible] species with [illegible] joints, found on mountain summits. No specimens.—

Order LXII.— Grossulaceae.—

60.— Ribes divaricatum.— Sheet 104.—Spec. 1-4.— Buena Vista Cañon, W. Humboldt Mts.— Sept. 19th 1867.— Banks of streams in lower part of cañons.— Fruit large, smooth, edible.— 3-5° high.—

61.— Ribes cereum (?)— Sheet 105.—Spec. 1.— Star Peak, W. Humboldt Mts.— Sept. 16th 1867. A low spreading shrub on summits of peaks. Fruit light red, smooth, with somewhat resinous flavor, edible. "[illegible]"—

62.— Ribes On banks of the Truckee— in fruit July 25th 1867.— 3-6° high. Fruit light red— edible. "Wild currant"— Piute name = Ah-tso-po-i.

63.— Ribes A low rough shrub on mountain sides & summits, in the E. & W. Humboldt ranges, with [illegible] branches. No specimens of either of these species. Fruit of the last not ripe, nor flowers of any.—

Order XXV.– Crassulaceæ.

68.– [illegible] (?) :– Sheet 106 .– Spec^{s}. 1–12.– Star Peak, W. Humboldt Mts.– Sept. 15th/67.– 71
On summits of Star Peak in crevices of limestone rocks. Past maturity.–

Order XXVIII.– Umbelliferæ.

69.– Sium lineare (?).– Sheet 107 .– Spec^{s}. 1.– Truckee Bottom.– Aug. 20th/67.– On shaded 72
bank of slough, near the Big Bend Camp.–

70.– Thaspium [illegible] (?).– Sheet 108 .– Spec^{s} 1.– Wright's Canon W. Humboldt Mts.– Sept. 73
10th/67.– On bank of stream near head of canon.

67.– Angelica (an.) Sheet 109 .– Spec^{s} 1.– Wright's Canon, W. Humboldt Mts.– Sept.
10th/67.– [illegible]

(B.) Sheet 110 .– Spec^{s}. 1.– Granite Peak Canon, E. Humboldt Mts.–
Oct. 1st/67.– On bank of stream in lower canon.

71.– Cicuta [illegible] ? .– Sheet 111 .– Spec^{s} 1.– Star Peak, W. Humboldt Mts.– 74
Sept. 16th/67.– Abundant near the summits. Long past maturity.

[illegible].– (an.) Sheet 112 .– Spec^{s} 1–4.– Granite Peak Canon, E. Humboldt Mts.–
Oct. 1st/67.– Dry banks of stream in lower canon.– Past maturity.

70.– (B.) Sheet 113 .– Spec^{s} 1.– Buena Vista Creek Ranch,– (W. Humboldt Val.
in E. of Unionville.)– Oct. 11th/67.– Edge of ditch in cultivated
[illegible].–

Order 2 XX.— Cornaceæ.

71.— Cornus .— A species was seen in Wright's Canon, (W. Humboldt Mts.) with broad cymes of white flowers — drupes white — leaves acuminate. — No specimens. —

Order 2 XXII.— Caprifoliaceæ.

72.— Symphoricarpus (a.) Sheet 114 .— Spec.s 1-6. — W. Truckee Mts.— Aug. 16th 1867.— Near head of canon at Verdetta Station II.— Also seen in fruit near the summit of Star Peak, Sept. 20th 1867.— 2°-3°.—

73.— [illegible] 3.' (??) — Sheet 115 .— Spec.s 1-4.— Star Peak, (W. Humboldt Mts.). 13,614 ft. ; ; . — The specimens in branches [illegible] at the time to be the same as the last. As in [illegible] in fruit & the leaves are strongly sinuate [illegible] —

74.— Sambucus glauca (?)— Sheet 116 .— Spec.s 1-3.— Wrights canon, W. Humboldt Mts.— Sept. 19th 1867.— Common on banks of streams in the higher canons of the W. Humboldt Mts.— Flowers white in broad cymes. Fruit rather small, eatable, very glaucous with a light blue bloom. 4-6" high.— Fruit quite eatable.—

Order LXXIII. – Rubiaceæ.

75. – Galium (a.) – Sheet 117. – Spec^{s}. 1–15. – E. Truckee Mts. and Star Peak. – July 31st '67 and Sept. 15th '67. – Frequent near the summits of the Truckee & W. Humboldt Mts., in the shade. –

(B.) – Sheet 117. – Spec^{s}. 1–5. – Star Peak, (W. Humboldt Mts.) – Sept. 15th '67.

[illegible]

[illegible] Sheet 119.– Spec[s] 1–12.– Star P[ra]. [illegible]

[illegible] Sept. 15th 1867.– Shrubs & weeds in canon, 1000 ft.

[illegible] summit. Much branched from base,

[illegible] p. P[ra]. [illegible]

77.– Eupatorium [illegible] (a.) – Sheets 120+121.– Spec[s] 1–12.– Star Prairie.–

Sept. 15th 1867.– With the last.

78.– [illegible] Sheets 122.– Spec[s] 1–7.– Star Prairie, [illegible]

15th 1867.– In dense canon on bank, but on prairie

elevation. Three resembling it. Past bivouac.

79.– Asteria [illegible] ?! – Sheets 123–125.– Spec[s] 1–13.– & Spec[s] E. Truckee & near

Humboldt Wells.– [illegible] – Frequent in [illegible]

[illegible] mountain rocks.– July & Oct[r] [illegible]

80.– [illegible] – Sheets 126–128.– Spec[s] 1–6.– Indian Creek

Ranch, W. Humboldt Valley.– (S.E. of Unionville.) Oct. 11th 1867.–

In salt grass pasture.

[illegible] canon (B.) – Sheet 129.– Spec[s] 1.2.– Humboldt River

bottom at Thacker's Station. Oct. 15th 1867.– Salt meadow.

81.– Aster.– [illegible] (Sub. § Salicifolii.–) (a.) – Sheets 130 + 131.– Spec[s] 1–3.– Wright's canon,

W. Humboldt Mts.– Sept. 10th 1867.– Shaded banks of creeks.–

(B.) – Sheets 132–136.– Spec[s] 1–6.– Last Truckee

Mts.– Aug. 1st 1867.– Bank of stream in high canon near Dentritic Station

II.–

11.— [illegible] — stipinosum (B.) — (a) — Sheets 202 & 203.— Spec[s] [illegible]

River bank, below Big Wood.— July 26th 1867.— Frequent.

3.)— Sheet 204.— Spec[s] 1–5.— [illegible]

[illegible] — Sept. 10th 1867.— [illegible]

banks & streams.—

11 — [illegible] — serrulis.— Sheet 205.— Spec[s] 1–12.— [illegible]

[illegible] — 6th mo.— [illegible]

much branched simple, odorous, 2'–3' high.—

11V.— [illegible] — Sheet 206.— Spec[s] 1–3.— [illegible]

near Spalding's Pass.— Sept. 29th 1867.— Dry hillside &

much branched.

[illegible] Part [illegible]

11[illegible].— [illegible] — Sheet 207.— Spec[s] 1.2.— Buena Vista Canon, (W. Humb

Mts.)— Sept. 10th 1867.— Dry mountain sides. Simple. Rare color.

1[illegible] — [illegible] — (a) — Sheets 208–210.— Spec[s] 1–9.— W. Humboldt Mts.

[illegible] — [illegible]

121.— [illegible] — (B.) — Sheet 211.— Spec[s] 1.— Big Wood of Trucke

[illegible] — [illegible]

6'–12' high. Perennial, much branched. Heads 2–5 flowered.

Peduncles & rayed.— Ligules & toothed, & with the much expanded and

thin & round stigmas, rose color.

12[illegible] — [illegible] — Sheet 212.— Spec[s] 1–3.— Buena Vista Canon, (W. Humb[t]

Mts.)— Sept. 10th 1867.— Dry mountain sides.—

123.— [illegible] (a) — Sheets 213-214).— Spec[s] 1-6.— [illegible]

Truckee River, below the Big Bend.— July 25th 1867).— Fragments in the Truckee valley. Very leafy + often branching from [illegible] 2'-4' high.—

(B.) — Sheet 214.— Spec[s] 1-3.— Wright's cañon, (W. Humb[t] Mts.) Sept. 10th 1867).— Bank of creek.—

(C.) Sheet 214.— Spec[n] 1.— Star Cañon, (W. Humb[t] Mts.)— Sept. 19th 1867).— Bank of [illegible] creek.—

124.— Conchus asper.— Sheets 219 + 220.— Spec[s] 1-5.— [illegible]

[illegible] + abrian in Lower cañon + in the valley.—

125.— [illegible] Sheet 221.— Spec[s] 1-4.— Sandy bluff near [illegible] 1867.— In dense humid thicket + [illegible] covering always. 3'-8' high.—

126.— [illegible] Sheet 222.— Spec[s] 1-6.— Truckee River Cañon. (W. Humboldt Mts.)— Sept. 10th 1867).— Fragments in the [illegible] 1-2' [illegible]

Ericaceae.

Arctostaphylos glabra.—

King's Cañon, near Carson City.— Feby 5th 1868

Orobanchaceae.

1[illegible] — Thalictrum minus, diffusa ?. — Buena Vista Cañon, W. Humboldt Hills. —

Sept. 10th 1[illegible]. — Involucre grooved (abbreviated) in to [illegible]

G[illegible] integrifolia, varieties. — Roots a dusky brown. Plants [illegible]

"Bon-Nino" — "beast calcium". — also found in salt marsh[illegible]

[illegible] the Arcata bottom, and in the Humboldt [illegible]

[illegible] — Stem hairy. 3–6' high. —

Sepals 2.5.–spec 1–11.–

Calyx lobes for the most part equal to or exceeding [illegible]

Corolla deeply cleft, limb pure white with yellow ridges, [illegible]

[illegible] cleft obovate. Stamens about equalling [illegible]

Sepals 2.2.5.–Spec 1.2.–

[illegible] with the base ; [illegible]. Calyx lobes [illegible]

& about equalling the [illegible] or very [illegible]. Corolla [illegible]

small, nearly white. Stamens [illegible]

Scrophulariaceae.—

124.— Scrophularia .— Sheet 224.— Spec^{s} 1–3.— Burnt Vista Canon W. Ironwood Wks.) Oct. 10th '96).— Shaded banks of stream in lower Canon.— 5°.

129.— Pentstemon .— Sheet 225.— Spec^{s} 1–3.— Burnt Vista Canon, [illegible] Wks.)— Sept. 10th '96).— [illegible] mid-, 2000 ft [illegible] m.

130.— Mimulus (?) (a.) — Sheet 226.— Spec^{s} 1–11.— Sandy Bottom of the Boulder, below the Big Bend,— Shores of rocky Lake,— and stream bed as in lower & middle cañons of the Ironwood Wks.— July 26th to Sept. 26th '96).— Calyx strongly angled. Middle lobe of upper lip of corolla emarginate [illegible] by clefts, & upper lip [illegible] with, white rays of red dots.— 85.— White tissue [illegible] 1°.—

131.— Mimulus (?) (β.) — Sheet 227 [illegible] Spec^{s} 1–10.— [illegible] River, below Big Bend.— July 26th '96).— Corolla bi- [illegible] — two fulvescent ridges on lip within, spotted with red dots. 6'– 2° [illegible]

132.— Mimulus (?) (γ.) — Sheet 229.— Spec^{s} 1–4.— Damp [illegible] — cañons of N. Ironwood Wks.— Sept. '96).— Appearance of Sheet 131 — [illegible]

133.— Mimulus (??) (δ.) — Sheet 230.— Spec^{s} 1–11.— Sandy bottom of [illegible]

below the Big Bend. – July 24th 16 –

Stem in the preceding species, deeply parted, segments incised. –

Upper lip of corolla 2-lobed. Stamens 4, didynamous. Style dilated

below the apex. Two fertile ovules on middle plate of lower lip. Fruit

ripening with[illegible] 2'-10' high. – Common. –

[illegible] (a.) Stem 2.31. – Spec[s] 1-11. – Sandy bottom of the Truckee,

[illegible] all, White. –

135. – Veronica (?) (3.) Sheet 232. – Spec[s] 1-5. – Sandy desert of the Carson,

beyond Soda Lakes. – August 5th 1857. –

[illegible] – Sheets 233-235. – Spec[s] 1-9. – Sandy [illegible]

[illegible] 1°-3°. –

[illegible]

B. [illegible]

Cyprian.—

139.— Monthan — Sheets 239 & 240.— Spec^{s} 1-4.— Sandy Bottom 5/— Hu

3.

145.— (W.) — Sheet 246.— Spec^{s} 1-5.— Bruma Vitta-Cannon, (W. Hin^{t}.

3.— (W.) — Sheets 247 & 248.— Spec^{s} 1-17.— Star Peak, (W.

(W.) — Sheet 249.— Spec^{s} 1-5.— Star Peak

— Sheet 250.— Spec^{s} 1-4.— Trustum Pass.—

Thenodactrae.—

168.— Thenopodium (?) (2.) —Sheets 2-3.— Spec. 1-2.— [illegible]

Henri station.— [illegible]

169.— Thenopodium (?) (3.) —[illegible]

11th 1867.— Sand ridges in upper cañons.— [illegible]

170.— Thine (?) (2.) — Sheet 2-5.— Spec. 1-12.— E. Truckee Valley.—

July 30th 1867.— Sandy plain at Valley. Alt. 4000 ft. 2°.—

171.— Thine (?) (3.) Sheet 2-6.— Spec. 1-4.— E. Humboldt.

Alt.— Oct. 2d 1867.— Bank of stream at mouth of

north Peak cañon.— 4°. in 2. Thick brown leaf.

172.— Salicornia (?) —Sheet 2-7.— Spec. 1-6.— [illegible]

[illegible]

[illegible]

173.— Thenopodina (?) —Sheets 2-8-2-11.— Spec. 1-9.— Common [illegible]

Henri Station.— Aug. 2d 1867.— Common in alkali

[illegible]— Low stout & bushy. Very [illegible]

[illegible]

[illegible]

175.— Ranunculus [illegible] 3.— [illegible] 1-3.— [illegible]

[illegible] (a.) —8.— [illegible] 9.— spec 1.— [illegible]

Wms.) — Sept. 19th 1867.— Bank of stream in low [illegible]

Polygonaceae.—

176.— Polygonum [illegible] (a.) —Sheet 285.— Spec 1.2.— Truckee River bottom

below Big Bend.— Aug. 20th 1867.— Erect.— 2° high.—

[illegible] Bank of stream.—

177.— Polygonum (b.) —Sheet 287.— Spec 1-7.— Unionville,

Sept. 9th 1867.— Prostrate, by the roadside & bank of [illegible]

[illegible]

[illegible] 91-293.– Spec. 1-6.– W. Dinckee Mts.–
Aug. 16th 86).– High mountain canon, near Grand Lake
Station II.– Common [illegible]

187.– [illegible] Sept. 16th 86).– Summit of [illegible]

188.– Eriogonum [illegible] (γ.) – Sheet 295.– Sp[illegible]

189.– Eriogonum (δ.) – Sheet 296.– Spec. 1-5.– W. Hamblin
& – Sept. 3d 86).– Frequent on high mountain ridges.

190.– Eriogonum (ε.) – Sheets 297 & 298.– Spec. 1-13.– W. Ham[illegible]
Mts.– Sept. 3d 86).– Near summits.– Rare in mass.

191.– Eriogonum (ζ.) – Sheet 299.– Spec. 1-5.– W. Dinckee–
Mts.– Aug. 16th 86).– High canon, near Grand Lake Station II.

192.– Eriogonum [illegible] – Sheet 300.– Spec. 1.– Canon Creek, near
[illegible]

193.– Eriogonum (θ.) – Sheet 301.– Spec. 1.– E. Dinckee– Valley–
2[illegible] 86).– Dry plain near Can[illegible] 12.– Plant of [illegible]

[illegible] 302.– Spec. 1.– Lith. the S[illegible]

189.— Eriogonum (λ.) — Sheet 304.— Spec. 1-6.— S. Juncea

[illegible]

192.— Eriogonum (o.) — Sheets 310-312.— Spec. 1-12.— E. Humboldtii

193.— Eriogonum (??) (ξ.) — Sheets 313-316.— Spec. 1-15.— E. Humb.

194.— A plant nearly allied to these, with a single erect stem, umbellately 3-5 branched above, fistulous, & enlarged below the joints, leaves radical, petioled & white pubescent; & flowers few & scattered, small, was found in the Lower Trinity mountains & near the foot of Humboldt's Lake.— His specimens [illegible]

Shepherdia argentea.— Specimens & fruit.— Very common

[illegible]

Coniferæ.—

210.— Ephedra antisyphilitica.— No fructimens.— V[illegible]

[illegible] — "manzanita" + Tumbleweed.

" = [illegible] — A Difference of [illegible] — Stems

one variety being coarse, & divaricately

[illegible] — stiff + comparatively [illegible]

more or less glaucous — [illegible]

growth, with longer, more slender

ones, light green — The two varieties

[illegible]. Fruit not seen. Flowers [illegible]

211.— Pinus [illegible] — No fructimens. On the western

[illegible] reasonably on the range west

[illegible]

valley.—

212.— Pinus ~~edulis~~ monophylla.— No fructimens, but found in the

[illegible] one, but reported as growing on

[illegible]

East [illegible] range.—

213.— Juniperus occidentalis. — Sheet 343.— [illegible]

Wts.— July 31st '93.— Common on the W. [illegible]

[illegible]

[illegible]

—Picea grandis.— King's Canon, near Carson

City.—

—Libocedrus decurrens.— With the last.—

Undetermined Exogenous Orders.—

2 4.— Mountain Thalassarum.— Sheet 344.— Spec. 1— b.— Star Peak, [illegible]

[illegible] — 10°–15° [illegible]

210.— (2d) Sheets 345–347).— Spec. 1–8.— E. Humboldt Mts.—

[illegible]

211.— (B.) Sheet 348.— Spec. 1–3.— Pearl Peak.— Dec. 4 (76).—

[illegible]

212.— [illegible]

[illegible]

Typhaceæ.—

1.— Typha latifolia.— two specimens.— Univille, and [illegible]

the Hundred Pines.—

220.— Sparganium [illegible] — Sheet 351.— Spec[s] 1–3.— Bank of [illegible]

[illegible] Slough, on Overbeck's Station, with the last.—

[illegible] 21st Oct. [illegible]

Lemnaceæ.—

1.— Lemna polyrrhiza [L.]— Sheet 352.— Spec[s] 1–14.— Surface of Slough at [illegible]

[illegible] Oct. 12,— [illegible] the Bay road [illegible] the Tramway.— Sept. 1st. 1876.— On

stagnant waters or resting. Frond thickish, purple beneath, 2" by 1½".— roundish

obovate, or short pear-shaped— contracting in drying. Flower & fruit not

222.— Lemna (a.) — Sheet 352.— Spec[s] 1–9.: with the last, abundant.—

[illegible]

Carex 3. — near 374. — Spec. 1–10. — W. Humboldt Valley. —

4. . . . — . . . . . —

5 Siccatai (?) —

1-5.— Probably

1867).—

25 V.— [illegible] — Sheet 410.— Spec[s] 1-15.— Probably from

the W. Humboldt Mts.— Sept. 1867.—

— Sheets 411 & 412.— Spec[s] 1-6.— W. Humb[t].

valley.— 24. 11th 1867.— [illegible]

Unionville.—

25 V.— [illegible] (??) (a).— Sheet 413.— Spec[s] 1-3.— W. Truckee Mts.—

1867).— Mountain side, near Goodrich Station II.—

(??) (B.) — Sheet 414.— Spec[s] 1-5.— W. Humboldt Mts.—

24. 1867.— [illegible]

Sheet 415.— Spec[s] 1-25.— Star Peak.— (W. Humb[t] Mts.)—

Sept. 14th 1867.— 8000 ft.—

(B.) Sheet 416.— Spec[s] 1-15.— Comet Peak. (W. Humb[t] Mts.)

Sept. 13th 1867.— 7000 ft.—

262.– Distica (?) (F.) – Sheet 417.– Spec.s 1–12.– W. Humboldt Mts.–
Sept. 1867.– Tripsacum dactyloides.–

263.– Bromus (?) (C.) – Sheet 418.– Spec.s 1–11.– Humboldt Lower
Slough.– Aug. 6th 1867.– "Salt grass".– Abundant in
river bottoms & alkaline meadows.–

264.– Bouteloua (B.) – Sheet 419.– Spec.s 1.2.– Soda Lakes, in head
Carson Desert.– Aug. 5th 1867.–

(B.) – Sheet 420.– Spec.s 1–5.– W. Humboldt Valley.–
Oct. 11th 1867.– Salt meadow East of Unionville.–

265.– Bouteloua (?) (F.) – Sheet 421.– Spec.s 1–4.– Humboldt Lower Slough.– Aug.
6th 1867.–

266.– Poa (?) (A.) – Sheet 422.– Spec.s 1.2.– Humboldt Lower Slough.–
Aug. 6th 1867.– A "salt grass."–

267.– Poa (?) (B.) – Sheet 423.– Spec.s 1–5.– Soda Lakes.– Aug. 5th
1867.– Salt grass.–

268.– Poa (?) (F.) – Sheet 424.– Spec.s 1–9.– W. Humboldt Valley.–
Oct. 11th 1867.– Salt meadow E. of Unionville.–

269.– Poa (?) (D.) – Sheet 425.– Spec.s 1–11.– Probably from the West
Humboldt Mts.– Sept. 1867.– A high mountain grass.–

270.– Poa (?) (E.) – Sheet 426.– Spec.s 1–5.– W. Humboldt Mts.–
Sept. 18th 1867.– East side of Comet Peak.–

271.– Poa (?) (G.) – Sheet 427.– Spec.s 1–6.– With the last.
Sept. 18th 1867.–

– Sheet 429.– Spec[s] 1–25.– W. Humboldt Mts.–
(c. 10th 1867).– with the last.–

– Sheet 429.– Spec[s] 1–19.– Pyramid
Lake. Different

– Sheet 430.– Spec[s] 1–8.– W. Truckee Mts.–
11th–18.– High mou

– Sheets 431 + 432.– Spec[s] 1–13.–
Truckee R

– Sheet 433.– Spec[s] 1–3.– Soda Lake and
W. Humboldt Valley.– Aug. 5th–Sept. 20th 1867.– Common
in wet places along foothills + strea

W. Humboldt Mts.– Sept. 1867.–

– Sheet 435.– Spec[s] 1–14.– From the

(?) – Sheet 436.– Spec[s] 1–12.– From several
(8.) localities in the E. & W. Humboldt Mts.– Sept. 1867.–

mountain canons + hills up to

[illegible] Sheets 41, 01, [illegible] pecimens. [illegible]

[illegible] Dec [illegible] Sept. 1867. [illegible]

species, (very probably different,) is also [illegible]

mon upon high mountain sides.

243.— Elymus [illegible] (a.) — Sheet 409.— Spec[s] 1-6.— W. Humboldt Mts.— Sept. 15th 1867.— West side of Indian Peak, near summit. 9,000 ft.—

244.— Elymus Virginicus.— Sheets 440. [illegible] Spec[s] 1-9.— W. Truckee Mts.. Aug. 16th 1867.— In high cañon near Geod. Station III.—

(B.) — Sheet 442.— Spec[s] 1-11.— From Dipsea [illegible] of the W. Humboldt Mts. & Valley.— Abundant in mountain cañons.—

245.— [illegible] — Sheet 44[illegible].— Spec[s] 1-4.— W. Humboldt [illegible] Valley.— Sept. 2[d] 1867.— [illegible] salt marsh [illegible]

[illegible] — capillare [illegible] — July 24th [illegible] 1867.—

[illegible] Valley.— Oct. 11th 1867.— Salt marsh, E. of Unionville.

Equisetaceae.—

289.— Equisetum [illegible] — Sheet 449.— Spec.s 1-8.— W. Humboldt Mts.— Aug. 31st & Sept. 10th 1867.— Shaded banks of stream in Wright's & Buena Vista Cañons.— Tubercles in a double row.— Arms about 35.— Rarely & shortly branched. 3° high.—

290.— Equisetum (B.) — Sheet 450.— Spec.s 1-4.— W. Humb.t Mts.— Sept. 10th 1867.— Buena Vista cañon, (Unionville) shaded stream bank.— Tubercles in a [illegible] Arms about 25.— Frequently branched. [illegible]

Filices.—

291.— A low dried fern [illegible] buildings, upon limestone rocks [illegible] Cañon, of the W. Humboldt Mts. [illegible] No specimens gathered.—

Lycopodiaceae.-

Musci.—

292.— Nightingale Mts., (Geodetic Station [illegible]) [illegible]

[illegible] 2,500 [illegible]

[illegible] Hot Springs,— [illegible] Hot Spring Mts.— On dry rocks.—

[illegible]

[illegible] With the last.— Aug. 11th 1867.—

295.— [illegible] Mts.; [illegible] Aug. 16th 1867.— [illegible]

(Lower cañon)

stream near Geodetic Station II.— Also found in [illegible].

[illegible] In same cañon with the last, on dry rocks.—

Aug. 17th 1867.— [illegible]

[illegible] In same cañon, near its head, on wet shaded

bank of stream.— Aug. 17th 1867.— Fon

[illegible] Nightingale cañon, [illegible] Hot Springs Mts.— [illegible] Aug. 31st 1867.— [illegible]

crevices of limestone rocks near head of cañon — 7000 ft.—

[illegible] With the last.— Aug. 31st 1867.—

[illegible] With other preceding [illegible] Aug. 31st 1867.—

[illegible] " " " "

[illegible] " " " "

[illegible] " " " " Perhaps two species.—

304 & 305.— In the same cañon. Wet shaded bank of stream.—

Aug. 31st 1867.—

306.— Aquatic.— With the last, partially in the water.— Perhaps

309.— " " " " " " " "

310.— " Buena Vista Cañon, (E. Humboldt Mts.) " 5000 ft.—

Bank of stream, near Unionville.—

311.— " " " "

312.— " " " "

313.— " " " "

314.— " " " "

315.— " " " "

316.— " " Mouth of Cañon from the

Willow Creek cañon, (E. Humboldt Mts.) 5000 ft.—

317.— " Bank of [illegible] Buena Vista Creek.— Oct. 10th, 6.—

318.— Barbula " Limestone Hill, west of Pyramid Lake.— Dec. 13th 1867.

Hepaticae.—

Sheet 451.—

2[illegible].— Riccia crystallina (?).— Spec[s] 1–11.— Moist sandy bottom of Truckee River, below the Big Bend.— Also at Clark's [illegible] Spec[s] above 25th July — apparently mature Aug. 20th 1867.— Dull green, brown or [illegible] light [illegible].—

[illegible]— Marchantia polymorpha [illegible].— Spec[s] 1–4.— On wet bank and stones in stream near Unionville. Oct. 10th 1867.—

Sheet 451.—

Confervoideae.

Sheet 452.—

[illegible]— Chara— (?) — Spec[s] 1–10.— [illegible] Station. Thickly bunched with [illegible]

July 4th 1867.—

Sheet 453.—

3 — Conferva— (?) — Spec[s] 1–5.— Truckee River, [illegible]

Sheet 453.—

323.— Conferva— (?) (B.) — Spec[s] 1–3.— With the [illegible]

Sheet 453.—

[illegible]— [illegible] — Spec[s] 1.— [illegible]

11th 1867.— (Traces.) — Drum short granite (1/3) in stones at bottom of spring (Temp[r]. 160°.) — very dull clear green.

Liliaceæ.—

125.— S. Lyallii.

On pinus tree summit of Goodrich Station Ut.— (W. Truckee Watts.—) Very common on pine trees — the Sierra Nevada of California.— Hardly so in Nevada.— Aug. 17, 1867.

Fungi. –

326. – Valley of Humboldt river, above Lovelock's station, in a sandy sage field. – Tall (6–12′) – nearly white – stipe clothed with long scales. – Spores abundant, cinnamon-color, borne between the sides of the hemi- [illegible] cup-shaped, ½′ Diam. receptacle

Balaxx

327. – Moist shaded bank of stream in Wright's cañon, (W. Humb.t Mts.) Receptacle cartilaginous, sessile, circular, nearly flat with slightly raised border, edges with black hairs. Bright vermilion. 1/16′–½′ in diam. &c. Aug. 31st 1867. – A solitary specimen. –

Peziza Fascicularis

328. – Upon the same stream, Aug. 31st 1867 – also on Buena Vista Cañon, near Unionville, Oct. 15th – Closely resembling the last, but more concave above and with a broader border of shorter hairs. – Somewhat gregarious. –

Peziza Scutellata

329. – Moist shaded earth in Truckee river bed, [illegible] cup-shaped (½′ in diam. – by 3/16′ deep.) with crenate margin, scarlet within, somewhat roughish [illegible] yellow or waxy color [illegible] without. Aug. 21st 1867. – Specimens not preserved.

Cheiranthus capitatus, 611.

incanus, 1995

Arastrichium tyratum, 17, 3894, 1312, 2094 1851

Arabis [illegible] 572

[illegible] 6266, 4889, 1046,

[illegible] 4936, 6274, 1955, 1339 1370, 1392

[illegible] 1315

retrospiracta, 6230 62[illegible]

[illegible] 4366 1851, 906

[illegible] 1315 1339, 1492, 15[illegible]

Streptanthus Brownii, 1265, 390 (1415,)

[illegible], 1107

[illegible], 1116, [illegible], 1172 223, 6000, 6269, [illegible]

[illegible] 1615, 4484, [illegible]

[illegible], 1885

glandulosus 4361, 3994, 4585, 1261

hispidus, 6267, 1054, 1044,

Cardamine pancisecta 1852.

Kamtschatica 2529

angulata (259) 1345, 1677, 1039, 957

Thysanocarpus [illegible]

[illegible] 25

Arnica pygmaea 2512

Artemisia canadensis 2512, 3450, 6853.6

[illegible]

[illegible] 1506.62

[illegible]

Californica Rydb

heterophylla 6020 [illegible] 4566 [illegible]

2031, 1695, 1723, [illegible]

[illegible]

Potentilla anserina 4541. [illegible]

Deschampsia pinnatifida 719 [illegible]

Potentilla flabellata 1851.

[illegible] 469 [illegible]

Hordeum 1916, 5745, Greenl. 614 [illegible]

gymnocarpa 1910-, 6514, 2496

Cypripedium arietinum 2096

[illegible] 6103 [illegible]

[illegible] 2151

Phalaris arundinacea 6, 3753, [illegible] 2512

Anaphalis [illegible] 1038, 1736, 2016, 46) 4752, 4573, [illegible]

Lupinus [illegible] 2102, 2107

[illegible]

[illegible] 4617, 5021, 2121, 1019

[illegible] 917, [illegible]

[illegible]

heterantha 4652 [illegible],

[illegible] 6525 1852 4918 [illegible]

Isenac 101

[illegible] 646

[illegible] 513

decembris 411

[illegible] 1006

[illegible] Corp

[illegible] 110

oratio 901

[illegible]

[illegible]

[illegible]

[illegible] 901

[illegible]

Whitneni 6504

[illegible] Corp

[illegible] 221, 242, 446, 644, 105, 091, 1137, 443, 320, 324

[illegible] 559, 1214 Corp

[illegible] 414, 469, 494, 510, 305), 3954, 276, 115, 3924

[illegible] 120

[illegible] 1247.

[illegible] 3931. 1247

[illegible]

[illegible] 2132